

Table A2. Approximate Heat Content of Petroleum Production, Imports, and Exports
(Million Btu per Barrel)

| | Production | | Imports | | | | Exports | | | |
|------------|------------------------|--|------------------------|-----------------------------|-----------------------------|--------------------|------------------------|-----------------------------|-----------------------------|--------------------|
| | | | Crude Oil ^a | Petroleum Products | | Total ^d | Crude Oil ^a | Petroleum Products | | Total ^d |
| | Crude Oil ^a | Natural Gas Plant Liquids ^b | | Motor Gasoline ^c | Total Products ^d | | | Motor Gasoline ^e | Total Products ^d | |
| 1950 | 5.800 | 4.470 | 5.943 | 5.253 | 6.263 | 6.080 | 5.800 | 5.253 | 5.751 | 5.766 |
| 1955 | 5.800 | 4.346 | 5.924 | 5.253 | 6.234 | 6.040 | 5.800 | 5.253 | 5.765 | 5.768 |
| 1960 | 5.800 | 4.253 | 5.911 | 5.253 | 6.161 | 6.021 | 5.800 | 5.253 | 5.835 | 5.834 |
| 1965 | 5.800 | 4.197 | 5.872 | 5.253 | 6.123 | 5.997 | 5.800 | 5.253 | 5.742 | 5.743 |
| 1970 | 5.800 | 4.090 | 5.822 | 5.253 | 6.088 | 5.985 | 5.800 | 5.253 | 5.811 | 5.810 |
| 1975 | 5.800 | 3.923 | 5.821 | 5.253 | 5.935 | 5.858 | 5.800 | 5.253 | 5.747 | 5.748 |
| 1980 | 5.800 | 3.864 | 5.812 | 5.253 | 5.748 | 5.796 | 5.800 | 5.253 | 5.841 | 5.820 |
| 1981 | 5.800 | 3.860 | 5.818 | 5.253 | 5.659 | 5.775 | 5.800 | 5.253 | 5.837 | 5.821 |
| 1982 | 5.800 | 3.798 | 5.826 | 5.253 | 5.664 | 5.775 | 5.800 | 5.253 | 5.829 | 5.820 |
| 1983 | 5.800 | 3.755 | 5.825 | 5.253 | 5.677 | 5.774 | 5.800 | 5.253 | 5.800 | 5.800 |
| 1984 | 5.800 | 3.745 | 5.823 | 5.253 | 5.613 | 5.745 | 5.800 | 5.253 | 5.867 | 5.850 |
| 1985 | 5.800 | 3.752 | 5.832 | 5.253 | 5.572 | 5.736 | 5.800 | 5.253 | 5.819 | 5.814 |
| 1986 | 5.800 | 3.733 | 5.903 | 5.253 | 5.624 | 5.808 | 5.800 | 5.253 | 5.839 | 5.832 |
| 1987 | 5.800 | 3.742 | 5.901 | 5.253 | 5.599 | 5.820 | 5.800 | 5.253 | 5.860 | 5.858 |
| 1988 | 5.800 | 3.751 | 5.900 | 5.253 | 5.618 | 5.820 | 5.800 | 5.253 | 5.842 | 5.840 |
| 1989 | 5.800 | 3.764 | 5.906 | 5.253 | 5.641 | 5.833 | 5.800 | 5.253 | 5.869 | 5.857 |
| 1990 | 5.800 | 3.758 | 5.934 | 5.253 | 5.614 | 5.849 | 5.800 | 5.253 | 5.838 | 5.833 |
| 1991 | 5.800 | 3.740 | 5.948 | 5.253 | 5.636 | 5.873 | 5.800 | 5.253 | 5.827 | 5.823 |
| 1992 | 5.800 | 3.739 | 5.953 | 5.253 | 5.623 | 5.877 | 5.800 | 5.253 | 5.774 | 5.777 |
| 1993 | 5.800 | 3.735 | 5.954 | 5.253 | 5.539 | 5.866 | 5.800 | 5.253 | 5.681 | 5.693 |
| 1994 | 5.800 | 3.728 | 5.950 | 5.253 | 5.416 | 5.835 | 5.800 | 5.253 | 5.693 | 5.704 |
| 1995 | 5.800 | 3.728 | 5.938 | 5.253 | 5.345 | 5.830 | 5.800 | 5.253 | 5.692 | 5.703 |
| 1996 | 5.800 | 3.703 | 5.947 | 5.253 | 5.373 | 5.828 | 5.800 | 5.253 | 5.663 | 5.678 |
| 1997 | 5.800 | 3.686 | 5.954 | 5.253 | 5.333 | 5.836 | 5.800 | 5.253 | 5.663 | 5.678 |
| 1998 | 5.800 | 3.694 | 5.953 | 5.253 | 5.314 | 5.833 | 5.800 | 5.253 | 5.505 | 5.539 |
| 1999 | 5.800 | 3.663 | 5.942 | 5.253 | 5.291 | 5.815 | 5.800 | 5.253 | 5.530 | 5.564 |
| 2000 | 5.800 | 3.648 | 5.959 | 5.253 | 5.309 | 5.823 | 5.800 | 5.253 | 5.529 | 5.542 |
| 2001 | 5.800 | 3.652 | 5.976 | 5.253 | 5.330 | 5.838 | 5.800 | 5.253 | 5.637 | 5.641 |
| 2002 | 5.800 | 3.646 | 5.971 | 5.253 | 5.362 | 5.845 | 5.800 | 5.253 | 5.517 | 5.519 |
| 2003 | 5.800 | 3.659 | 5.970 | 5.253 | 5.381 | 5.845 | 5.800 | 5.253 | 5.628 | 5.630 |
| 2004 | 5.800 | 3.636 | 5.981 | 5.253 | 5.429 | 5.853 | 5.800 | 5.253 | 5.532 | 5.539 |
| 2005 | 5.800 | 3.638 | 5.977 | 5.253 | 5.436 | 5.835 | 5.800 | 5.253 | 5.504 | 5.513 |
| 2006 | 5.800 | 3.622 | 5.980 | 5.253 | 5.431 | 5.836 | 5.800 | ^e 5.219 | 5.415 | 5.423 |
| 2007 | 5.800 | 3.609 | 5.985 | 5.222 | 5.483 | 5.857 | 5.800 | 5.188 | 5.465 | 5.471 |
| 2008 | 5.800 | 3.614 | 5.990 | 5.222 | 5.459 | 5.861 | 5.800 | 5.215 | 5.587 | 5.591 |
| 2009 | 5.800 | 3.598 | 5.988 | 5.222 | 5.509 | 5.878 | 5.800 | 5.221 | 5.674 | 5.677 |
| 2010 | 5.800 | 3.573 | 5.989 | 5.222 | 5.545 | 5.892 | 5.800 | 5.214 | 5.601 | 5.604 |
| 2011 | 5.800 | 3.573 | 6.008 | 5.222 | 5.538 | 5.905 | 5.800 | 5.216 | 5.526 | 5.530 |
| 2012 | 5.800 | 3.588 | 6.165 | 5.222 | 5.501 | 6.035 | 5.800 | 5.217 | 5.520 | 5.526 |
| 2013 | 5.800 | 3.629 | 6.010 | 5.222 | 5.497 | 5.899 | 5.800 | 5.216 | 5.470 | 5.482 |
| 2014 | 5.800 | 3.640 | 6.035 | 5.222 | 5.518 | 5.929 | 5.800 | 5.218 | 5.369 | 5.406 |
| 2015 | 5.717 | 3.669 | 6.065 | 5.222 | 5.504 | 5.941 | 5.682 | 5.218 | 5.279 | 5.319 |
| 2016 | 5.722 | 3.632 | 6.053 | 5.222 | 5.491 | 5.929 | 5.724 | 5.218 | 5.184 | 5.245 |
| 2017 | 5.723 | 3.612 | 6.050 | 5.222 | 5.489 | 5.930 | 5.738 | ^e 5.222 | 5.151 | 5.258 |
| 2018 | 5.706 | 3.591 | 6.063 | 5.222 | ^d 5.491 | ^d 5.938 | 5.721 | 5.222 | ^d 5.088 | ^d 5.259 |
| 2019 | 5.698 | 3.607 | 6.061 | 5.222 | 5.464 | 5.908 | 5.708 | 5.222 | 5.022 | 5.263 |
| 2020 | 5.691 | 3.593 | 6.066 | 5.222 | 5.513 | 5.927 | 5.709 | 5.222 | 4.924 | 5.220 |
| 2021 | ^P 5.691 | ^P 3.584 | ^P 6.063 | ^P 5.222 | ^P 5.508 | ^P 5.909 | ^P 5.722 | ^P 5.222 | ^P 4.860 | ^P 5.158 |
| 2022 | ^E 5.691 | ^E 3.584 | ^E 6.063 | ^E 5.222 | ^E 5.508 | ^E 5.909 | ^E 5.722 | ^E 5.222 | ^E 4.860 | ^E 5.158 |

^a Includes lease condensate.

^b Natural gas processing plant production of natural gas liquids (ethane, propane, normal butane, isobutane, and natural gasoline). Through 1980, also includes natural gas processing plant production of finished petroleum products (aviation gasoline, distillate fuel oil, jet fuel, kerosene, motor gasoline, special naphthas, and miscellaneous products).

^c Excludes fuel ethanol, methyl tertiary butyl ether (MTBE), and other oxygenates blended into motor gasoline.

^d Through 2017, the imports and exports factors are developed using old hydrocarbon gas liquids heat content values shown in Table A1 of the September 2019 *Monthly Energy Review* (MER). Beginning in 2018, the factors are developed using heat content values shown in Table A1 of the current MER.

^e For 2006–2016, includes MTBE blended into motor gasoline; excludes MTBE in other years. For all years, excludes fuel ethanol and other non-MTBE oxygenates blended into motor gasoline.

P=Preliminary. E=Estimate.

Note: The values in this table are for gross heat contents. See "Heat Content" in Glossary.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#appendices> (Excel and CSV files) for all available annual data beginning in 1949.

Sources: See "Thermal Conversion Factor Source Documentation," which follows Table A6.